

4150

Diag. Chf. No. 1231-1

4150

Form 504
DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY
State: <i>North Carolina</i>
21-5613
DESCRIPTIVE REPORT.
<i>Hyd.</i> Sheet No. 4150
LOCALITY:
<i>Tenue. River - Entrance</i>
<i>to Adams Creek</i>
1920
CHIEF OF PARTY:
<i>J. H. Hawley.</i>

HYDROGRAPHIC SHEET NO. 2
Neuse River, N.C.

Automatic tide gauge at Oriental, used for reduction of soundings
west of Cockle Point.

Plane of reference is mean sea level minus 0.5 foot.
Gauge reading corresponding to plane of reference is 2.9 feet.

Highest tide observed during work	5.3 feet on staff
Lowest tide observed during work	2.7 feet on staff

Tide gauge at Neuse River Light, used for reduction of soundings
east of Cockle Point.

Plane of reference is mean sea level minus 0.5 foot.	
Gauge reading corresponding to plane of reference is 3.6 feet.	
Highest tide observed	5.5. feet on staff
Lowest tide observed	3.0 " " "

DESCRIPTIVE REPORT
to accompany
Hydrographic Sheet Number 2 (field number)

This sheet shows the re-survey of Neuse River, N.C. from Adams Creek to the mouth of the river, made in accordance with instructions dated January 23, 1920.

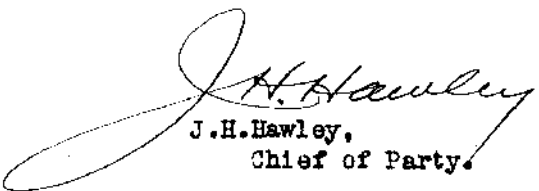
This sheet is joined; by sheet No. 1 at the entrance to Adams Creek, by sheet No. 3 at the entrance to Oriental Harbor, by sheet No. 4 at the mouth of the river, and by sheet No. 5 at the entrance to South River.

This work was controlled by triangulation stations which were supplemented by topographic signals for work close in-shore. The work inshore was done with launches while the ship was used for lines out in the river east of Garbacon Beacon.

No important changes were found in this region. A large shoal about $1\frac{1}{2}$ miles south of Oriental Entrance and several small shoals at the mouth of the river were developed. These shoals consist of small oyster beds, known locally as "oyster rocks" that usually extend from 3 to 4 feet above the bottom.

The work was extended into Broad Creek but no work could be done in Swan Creek as the entrance is very shoal with a general depth of less than 6 inches at ordinary tide.

Fish weirs extend out from both banks of the river but are more plentiful on the north bank. These weirs extend out for a distance of about 1 mile from the bank.


J.H. Hawley,
Chief of Party.

Sheet No. 2

[illegible]

NEUSE RIVER NORTH CAROLINA.

STATISTICS.

Sheet No. 2

DATE	LETTER	VOLUME	POSITION	SOUNDINGS	MILES STATUTE	VESSEL
Aug. 2	H	10	50	645	15.5	Launch #56
" 5	J	10	14	171	3.8	" "
" 10	K	10	7	58	1.2	Navv Launch
" 19	L	10-11	63	649	15.0	Launch #56
" 23	M	11	49	500	9.75	" "
" 24	N	11	28	238	4.5	" "
Oct 14	P	11	58	444	14.5	Onward
" 15	Q	11	83	787	19.5	Navv Launch
" 20	R	11-12	41	294	10.0	" "
" 20	S	12	10	56	2.0	Onward.
June 17	A	13	104	624	29.	"
" 18	B	13	77	539	25.	"
Aug 20	C	13	70	313	12.75	"
Total		3025	26727	678.45		

INDEX OF SIGNALS, BUOYS, ETC.
Hydrographic Sheet No. 2
Neuse River, N.C.

Hydrographic names	Location, full name, etc. Triangulation Stations.
Daw	Daw, 1920
San	Sand Beach 3, 1920
Slim	Smoke stack Oriental, 1913.
Tal	Oriental sawmill, square red tower, 1913.
Saw	" " black tower, 1913.
Or	Oriental church steeple, 1913.
Kel	Lockle 2, 1913.
Gum	Gum Thicket, 1913.
Broad	Broad Creek Beacon, 1920.
Pine	Piney Point, 1920.
Neuse	Neuse River Light, 1920.
Maw	Maw, 1920.
Beak	Maw Point beacon, 1920.
Marsh	Point of Marsh beacon, 1920.
Point	Point 2, 1920.
Mid	Mid 2, 1920.
Brown	Brown 2, 1920.
Out	South River beacon, 1920.
Dead	Dead 2, 1920.
Al	Alpha, U.S.S.
Con	Adams Creek entrance beacon, 1920.
Ad	Adams, 1913.
Neck	Great Neck Point, 1866.
Gar	Garbeon beacon, 1920.

Hydrographic Signals

Bar	Page 61, Vol. 2 of sounding record.
Fish	Page 27, Vol. 9 of sounding record.

Buoys

Red num buoy 2/A	Page 31, Vol. 7 of sounding record.
Black spar buoy 1	Page 26, Vol 8 " " "
Black spar buoy 3	Page 5, Vol 9 " " "
Red num buoy 2	Page 24, Vol 10 " " "

AND REFER TO NO. 41/VFB

DEPARTMENT OF COMMERCE

U. S. COAST AND GEODETIC SURVEY

WASHINGTON February 19, 1921.

✓ Division of Hydrography and Topography: *WHD*

Division of Charts:

Tidal reductions are approved in
13 volumes of sounding records for

HYDROGRAPHIC SHEET 4150

Neuse River, North Carolina
J. H. Hawley in 1920

Plane of reference is
Mean water level -0.5 ft. reading = *Mean low water*

2.9 ft. on tide staff at Oriental Harbor
3.6 " " " " " Neuse River Lighthouse.

Condition of records: Satisfactory.

G. F. Under
Chief, Division of Tides and Currents.

Hyd. Sheet No. 4150

Within the limits of the work the ground is systematically covered and shoal areas carefully developed.

Most of the sounding lines cross well but the curves are somewhat irregular, due to the flatness of the ground and differences of one foot in the soundings.

The two zero soundings on the line from pos. 20 D (red) to pos. 21 D, just East of Oriental Harbor, are doubtful.

The protracting done on the sheet is good but a large part of the soundings appeared to have been plotted without the use of spacing dividers.

The work on this sheet was combined with that on the overlapping sheets Hyd. 4145, 4146, 4149 and 4151 and the curves drawn from all the available hydrography.

R. L. Johnston.

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY
WASHINGTON

SECTION OF FIELD RECORDS.

REPORT ON HYDROGRAPHIC SHEET No. 4150.

Surveyed in 1920.

Chief of Party: J. H. Hawley. Surveyed by J. H. Hawley, J. W. Cox, and
F. E. Oleson.

Protracted by J. W. Cox and B. H. Rigg.

Soundings plotted by J. H. Hawley, J. W. Cox and B. H. Rigg.

Verified and inked by R. L. Johnston.

1. The records conform to the requirements of the General Instructions except that descriptions of beginnings and endings of sounding lines are generally omitted.
2. The plan and character of development fulfill the requirements of the General Instructions.
3. The plan and extent of development satisfy the specific instructions.
4. The sounding line crossings are adequate.
5. The development was sufficient to permit the usual depth curves to be drawn.
6. The field plotting was completed to the extent prescribed in General Instructions but a large part of the soundings apparently were plotted without the use of spacing dividers and had to be re-spaced by the office draftsman.
7. The junctions with adjacent sheets by the same party are good.
8. No further surveying is needed within the limits of the sheet.
9. The character and scope of the surveying are excellent, and the field drafting is good, with the exception of the defect noted in par. 6.
10. Reviewed by E. P. Ellis, May, 1921 and two copies of this report to be sent to Hydrography and Topography Division.

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

HYDROGRAPHIC TITLE SHEET

The finished Hydrographic Sheet is to be accompanied by the following title sheet, filled in as completely as possible, when the sheet is forwarded to the Office.

U. S. Coast and Geodetic Survey.

Register No. 4150 Field No. 2

State North Carolina

General locality Neuse River.

Locality Adams Creek to entrance of river

Chief of party J.H.Hawley

Surveyed by J.H.Hawley, J.W.Cox, F.E.Okseon

Date of survey April 28 to October 20, 1920

Scale 1 : 20,000

Soundings in Feet

Plane of reference Mean sea level - 0.5 foot

Protracted by J.W.C., B.H.R. Soundings in pencil by J.H.H., J.W.C. + B.H.R.

Inked by Verified by

Records accompanying sheet (check those forwarded):

Des. report, 5 Tide books, 2 Marigrams, 2 Boat sheets,

13 Sounding books, Wire-drag books, Photographs.

Data from other sources affecting sheet

Remarks:

5 tide books also used on sheet No. 4.

Marigrams from automatic gauge at Oriental forwarded to office for each month during field work.

Boat sheet 2b also used for development of a shoal on sheet No. 4, south of Bay R. beacon